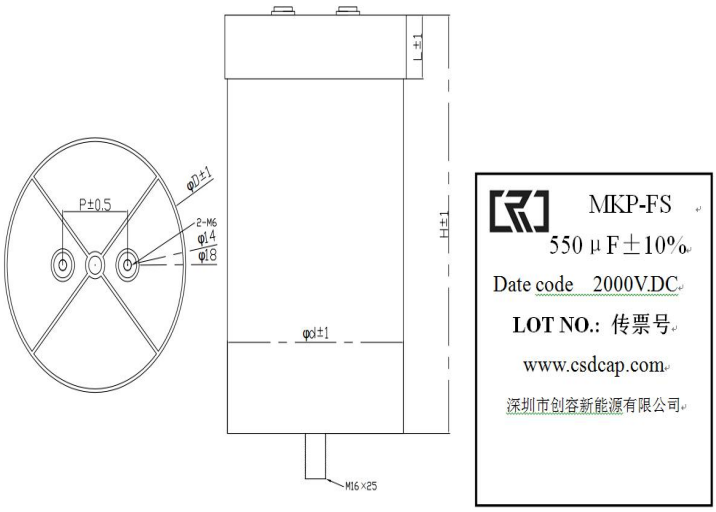
CRC NEW ENERGY

APPROVAL SHEET

TO:_____.

Main Materials		Mark & Outline
ITEMS	NAME	
Film	Metalized Polypropylene film	
Electrode	M6×10 Cu terminal	
Epoxy	Flame-retardant Epoxy-Black	
Case	AL case	

Part No.	TYPE	Dimensions（mm）					NOTE
		D	d	H	L	P	
FS7110	MKP-FS 550μF K2000VDC	140	136	230	35	50	

CUSTOMER CONFIRM			CR OFFER		
APPOVED BY	CHECKED BY	STAMP	APPOVED BY	STAMP	MADE BY
					闫佳佳
DATE			DATE	2020-08-27	

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Technical data

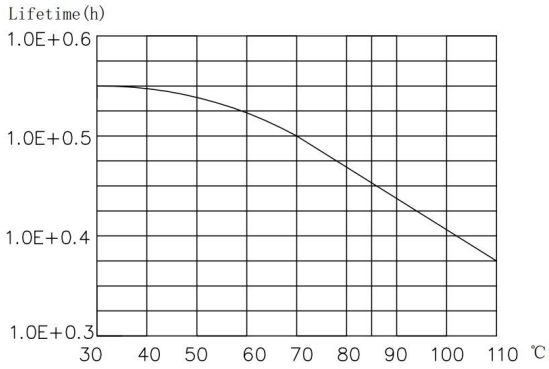
Rated capacitance	C_N	550μF±10%
Rated voltage	U_N	2000V.DC
Non-recurrent surge voltage	U_s	3000V.DC
Maximum current	Irms	80A
Maximum peak current	Î	3.9kA
Maximum surge current	I_S	11.7KA
Series resistance	R_S	≤1mΩ
Tangent of the loss	tan δ	≤0.0020(100Hz)
Insulation Resistance	$C \times R_{is}$	＞5000S
Self inductance	L_e	＜50nH
Lowest operating temperature	Θmin	-40℃
Maximum operating temperature	Θmax	105℃
Operating humidity	RH	0~95%
Storage temperature	Θstorage	-40℃~105℃
Service life@U_N and 70℃		100000h
Failure quota		＜100Fit
Test data		
Voltage test between terminals	Vtt	3000V.DC/10S
Voltage test between terminal to case	Vtc	3000V.AC/10S

过电压	1.1 UN (30% of on-load-dur.)
	1 .15 UN (30min/day)
	1.2 UN (5min/day)
	1.3 UN (1min/day)
	1.5 UN (30ms every time, 1 000times during the life of the capacitor)

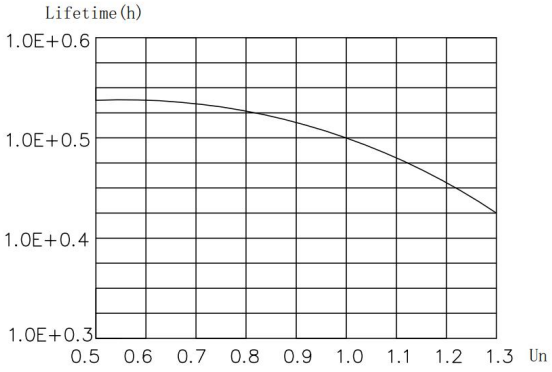
Operating altitude		2000m（max）
Terminal tightening torque		---

Electrical Characteristics of Film Capacitor

1. Lifetime Expectancy

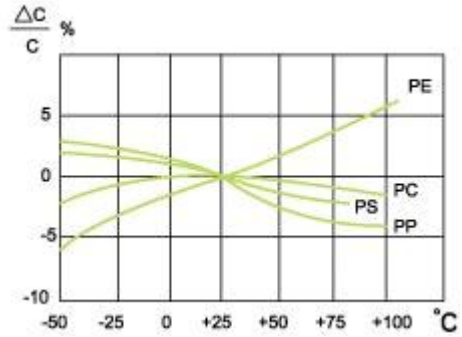


Life time Expectancy of charge temperature

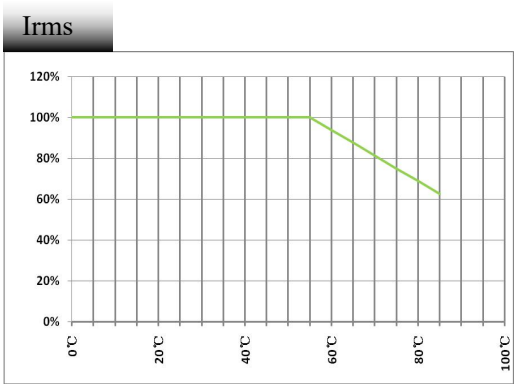


Life time Expectancy of charge voltage

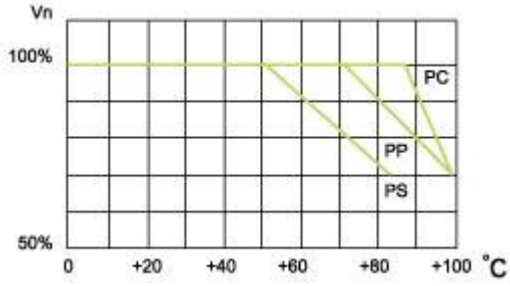
2. Temperature Characteristics



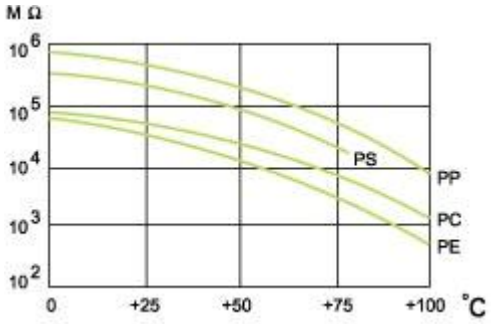
Capacitance vs. Temperature



Operation current vs. Temperature

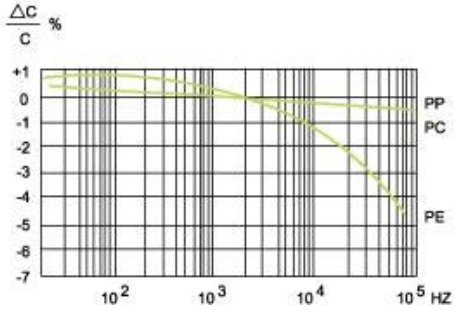


Operation voltage vs. Temperature

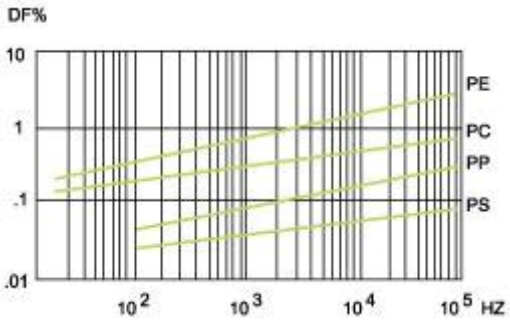


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance vs. Frequency



Dissipation Factor vs. Frequency